

**Abstract of the Invention**

**[0034]** A fuel dispenser includes a non-mechanical switch that detects whether a fueling nozzle is positioned inside or outside of a nozzle boot. When the non-mechanical switch detects that the fueling nozzle is removed from the nozzle boot, the non-mechanical switch generates a signal to activate a fuel dispensing transaction. When the non-mechanical switch detects that the fueling nozzle is replaced in the nozzle boot, the non-mechanical switch generates a signal to terminate the fuel dispensing transaction.